

IN THE ABSTRACT:

The Abstract as amended below with a replacement Abstract shows added text with underlining and deleted text with ~~striketrough~~.

Please DELETE the Abstract in its entirety and substitute the attached new Abstract.

ABSTRACT OF THE DISCLOSURE

A wire electric discharge machining apparatus having a structure for supplying power to a wire electrode, ~~the structure being capable of prolonging~~ which prolongs the life of a power supply element and ~~reducing~~ reduces a manufacturing cost and a running costs ~~with a simple structure~~. There is provided a A guide roller for guiding is driven by a small motor through a lead screw and guides the wire electrode above and/or below the power supply element, formed ~~into as~~ as a flat plate. ~~The guide roller is driven by a small motor through a lead screw.~~ and driven in an An oscillating direction is perpendicular to a running direction of the wire electrode and parallel to a flat surface of the power supply element. A contact position of the wire electrode on the power supply element is varied ~~in~~ over an area of a wide range, ~~so that the contact position is not focused, thereby creating~~ no avoiding creation of a groove or the like, that is attributable to friction, in the power supply element and extending the life thereof. ~~The power supply element is formed into a simple flat plate, reducing the manufacturing cost thereof. The guide roller and the driving mechanism thereof also have simple structures, thus reducing the manufacturing and the running cost.~~

ABSTRACT OF THE DISCLOSURE

A wire electric discharge machining apparatus having a structure for supplying power to a wire electrode which prolongs the life of a power supply element and reduces manufacturing and running costs. A guide roller is driven by a small motor through a lead screw and guides the wire electrode above and/or below the power supply element, formed as a flat plate and driven in an oscillating direction perpendicular to a running direction of the wire electrode and parallel to a flat surface of the power supply element. A contact position of the wire electrode on the power supply element is varied over an area of a wide range, avoiding creation of a groove or the like, attributable to friction, in the power supply element and extending the life thereof.